RAW SEQUENCE LISTING

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Application Serial Number:

Source:

Date Processed by STIC:

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RAW SEQUENCE LISTING DATE: 01/30/2006
PATENT APPLICATION: US/10/564,665 TIME: 15:48:49

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3 <110> APPLICANT: Irei, Reiko
             Tsunoda, Hiroyuki
              Igawa, Tomoyuki
      5
              Sekimori, Yasuo
      6
             Tsuchiya, Masayuki
     7
      9 <120> TITLE OF INVENTION: IGM PRODUCTION BY TRANSFORMED CELL AND
             METHOD OF QUANTIFYING THE SAME
     12 <130> FILE REFERENCE: 14875-155US1
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/564,665
C--> 14 <141> CURRENT FILING DATE: 2006-01-13
     14 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/010444
     15 <151> PRIOR FILING DATE: 2004-07-15
     17 <150> PRIOR APPLICATION NUMBER: US 60/487,333
     18 <151> PRIOR FILING DATE: 2003-07-15
     20 <160> NUMBER OF SEO ID NOS: 31
     22 <170> SOFTWARE: PatentIn version 3.1
     24 <210> SEQ ID NO: 1
     25 <211> LENGTH: 1779
     26 <212> TYPE: DNA
     27 <213> ORGANISM: Homo sapiens
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     39 gtc cag tgt gag gtg cag ctg ttg gat tct ggg gga ggc ttg gta cag
     40 Val Gln Cys Glu Val Gln Leu Leu Asp Ser Gly Gly Gly Leu Val Gln
     43 cct ggg ggg tgc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttt
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     44 Pro Gly Gly Cys Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
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     48 Ser Ser Cys Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
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     51 gag tgg gtc tca gct att agt ggt agt ggt agc aca tac tac gca
     52 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala
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     55 gac tcc gtg aag ggc cgg ttc acc atc tcc aga gac aaa tcc aag aac
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     59 acg ttg tat ctg caa atg aac agc ctg aga gcc gag gac acg gcc gta
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PATENT APPLICATION: US/10/564,665 TIME: 15:48:49

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							Gly										
65	-	•	115		•	•	-	120	-				125	•	-		
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							Val										
69		130	01	017		200	135			001		140	001		501		
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																	400
		1111	ьеu	Pne	PIO		Val	per	Cys	GIU		ser	PIO	ser	ASP		
	145					150					155					160	500
	_	_		_	_		tgc		_	_	_				_		528
	ser	ser	vaı	AIA		GIY	Cys	rea	Ата		Asp	Pne	ьeu	Pro	_	ser	
77					165					170					175		
							tac	_				_		_	-		576
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81				180					185					190			
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85			195					200					205				
87	cag	gtg	ctg	ctg	cct	tcc	aag	gac	gtc	atg	cag	ggc	aca	gac	gaa	cac	672
88	Gln	Val	Leu	Leu	Pro	Ser	Lys	Asp	Val	Met	Gln	Gly	Thr	Asp	Glu	His	
89		210					215					220					
91	gtg	gtg	tgc	aaa	gtc	cag	cac	CCC	aac	ggc	aac	aaa	gaa	aag	aac	gtg	720
92	Val	Val	Cys	Lys	Val	Gln	His	Pro	Asn	Gly	Asn	Lys	Glu	Lys	Asn	Val	
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95	cct	ctt	cca	ata	att	qct	gag	ctq	cct	ccc	aaa	ata	aqc	qtc	ttc	qtc	768
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99	cca	ccc	cac	gac	aac	ttc	ttc	aac	aac	ccc	cac	aaq	tcc	aaq	ctc	atc	816
																ı Ile	
101				260				1	265			, -,		270			
		· cac	י מכנ			- ttc	agt				att	· cac	ato			ctg	864
																Leu	
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		· cac			r cac	ato	י ממר			ato	acc	acc			ato	cag	912
																Gln	712
100	_	290	_	Дy	, 611	ı val	295		. Gry	va.	. 1111	300	_	, 611	ı val	. 0111	
					~~~						. +						960
	_		_							_					_	aca	900
			ATC	rrys	GIL		_	PIC	) 1111	. 1111	_	_	s val	1111	. sei	Thr	
	305					310					315					320	
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		Thi	: Ile	Lys			: Asp	Trp	Let	_		ı Sei	c Met	Pne		Cys	
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																atg	1056
	_	y Val	Asp		-	g Gl	/ Let	ı Thi			ı Glr	ı Ası	n Ala			Met	
121				340					345					350			
																cca	1104
124	Cys	Va]	Pro	Asp	Glr	ı Asp	Thr	Ala	ı Ile	e Arg	y Val	l Phe	e Ala	ı Ile	Pro	Pro	

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												Ser					1230
141				420					425					430			
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148	Leu		Ser	Pro	Leu	Lys		Thr	Ile	Ser	Arg	Pro	Lys	Gly	Val	Ala	
149		450					455					460					
	_				_	_		_	_			gcc			_	_	1440
		His	Arg	Pro	Asp		Tyr	ьeu	Leu	Pro		Ala	Arg	GIU	Gin		
	465	ata	000	a2a	+ 00	470	200	ata	200	+~~	475	gtg	200	~~~	++0	480	1488
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157	ASII	БСи	nr 9	GIU	485	AΙα	1111	110	1111	490	шси	vai	1111	Gry	495	BCI	
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	GIA		Tyr	Pne	Ala	HIS		тте	Leu	Thr	vaı	Ser	GIU	GIU	GIU	Trp	
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	545	1111	O _T	014	1111	550	1111	Cyb	Val	vai	555	*****	014	1114	шец	560	
		agg	atc	acc	gag		acc	ata	gac	aaq		acc	aat	aaa	ccc		1728
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177		_			565	_			_	570			_	_	575		
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180	Leu	Tyr	Asn	Val	Ser	Leu	Val	Met	Ser	Asp	Thr	Ala	Gly	Thr	Cys	Tyr	
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200	Ser	Ser	Cys	Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
201		50	-				55		_			60	_	_	_	
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		Ser	Val	Lvs	Glv	Ara	Phe	Thr	Ile	Ser	Ara	Asp	Lvs	Ser	Lvs	Asn
207				4	85	,				90		-	•		95	
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	Δτα	Glu		Lve	Gln	val	Glv	Ser	Glv	Val	Thr	Thr		Gln	Val	Gln
246	ALG	290	Gry	шуз	GIII	Val	295	261	Gry	vai	1111	300	тор	GIII	Val	GIII
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	305	Giu	nia	цуз	GIU	310	GIY	FIO	1111	1111	315	цуэ	Val	1111	SCI	320
		The	т10	Trea	C1,,		7.00	Trp	T 011	C111		C0~	Mot	Dho	Thr	
252	пеα	1111	116	пур	325	SET	Asp	пр	пеп	330	GIII	261	Mec	FIIE	335	Cys
	7 ~~	77-7	7 ~~	u: a		<b>~1</b>	T 011	Thr	Dho		@1 m	7 00	7 J -	C0*		Mot
	Arg	vai	Asp		Arg	GIY	ьeu	1111		GIII	GIII	ASII	Ala		ser	Mec
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302 303 304 305 307 308 309 312 313 314 315 317 318 319 321	<213 <213 <221 <222 <223 <400 atg Met 1 ggt Gly gtg Val	1 > L1 2 > TY 3 > O1 0 > F1 1 > NX 2 > LC 0 > S1 gtg Val gcc Ala	ENGTH YPE: RGANI EATUH AME/I DCATI EQUEN ttg Leu tac Tyr	D NO H: 72 DNA ISM: KEY: ION: Cag Gln ggg Gly 20 ggc	Homo CDS (1) 3 acc Thr 5 gac Asp	cag Gln atc Ile	gtc Val gtg Val	ttc Phe atg Met	att Ile acc Thr 25 atc	Ser 10 cag Gln aac	Leu tct Ser tgc	Leu cca Pro aag	Leu gac Asp tcc	tgg Trp tcc Ser 30 agc	Ile 15 ctg Leu cag	Ser gct Ala agt	96
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/30/2006 PATENT APPLICATION: US/10/564,665 TIME: 15:48:50

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Output Set: N:\CRF4\01302006\J564665.raw

## Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:7,8,9,10,11,12,13,14,15,16,17,18,23,24,25,26,27,28,29,30,31

DATE: 01/30/2006 VERIFICATION SUMMARY PATENT APPLICATION: US/10/564,665 TIME: 15:48:50

Input Set : A:\14875-155US1.txt

Output Set: N:\CRF4\01302006\J564665.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date